



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

4350-150th Ave. N.E. • Redmond, Washington 98052 • (206) 885-1900

M E M O R A N D U M

October 21, 1981

TO: The Files - Hazardous Waste  
FROM: Julie Sellick <sup>AAS</sup>  
SUBJECT: Universal Manufacturing Corporation  
Woodinville, Washington

On September 23, 1981, Mike Dawda and I conducted water quality and hazardous waste inspections, respectively, at the Universal Manufacturing Corporation in Woodinville. This memorandum serves to document both the inspections and the information obtained during the inspections from Mr. David Nance, plating manager, and Mr. Donald Jenkins, owner.

Contrary to the explanation presented to WDOE on August 21, 1981, the cyanides used at the Universal Manufacturing Corporation facility are not recycled through an exchange system. The cyanides are maintained in two 24-gallon tubs, one containing a concentrated solution, and the other, a rinse-water bath. The resin exchange system at this facility collects gold from the cyanide plating solution for recycling. The cyanide solution is flushed from the resins with water into the rinse-water bath. The cyanides, therefore, are not captured for recycling and will eventually enter the hazardous waste stream. Filled resin columns are sent to Electronic Reclamation Service in Anaheim, California, for the actual gold recovery.

Mr. Jenkins decided not to sell Universal Manufacturing Corporation to Universal Circuits or anyone else. He instead terminated a number of employees, including the general manager, and has assumed the role of general manager himself. He expects to be able to improve the hazardous waste handling at this facility by taking a more active role in hazardous waste management. The past due bill owed to Liquid Waste Disposal for prior hazardous waste transport from this facility has been paid, and Liquid Waste Disposal transported drums from this facility on September 21 and 22, 1981. Hazardous waste drum storage remains a problem at this facility, though. During my inspection I observed that several hazardous waste drums lacked bungs, most hazardous waste drums lacked labels, and several of the drums that did have hazardous waste labels did not have the dates of accumulation listed on the labels. I also noticed violations concerning both the segregation of incompatible wastes, and the proper segregation of commodity and waste drums.

JS:bz

USEPA SF



1486541